



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

T H E
T R A N S A C T I O N S
O F T H E
R O Y A L I R I S H A C A D E M Y .
V O L . V I .



D U B L I N :
G E O R G E B O N H A M ,
P R I N T E R T O T H E R O Y A L I R I S H A C A D E M Y .

1797.

THE ACADEMY desire it to be understood, that, as a body, they are not answerable for any opinion, representation of facts, or train of reasoning, which may appear in the following papers. The authors of the several essays are alone responsible for their contents,

S C I E N C E.

C O N T E N T S.

- I. *REMARKS on the Causes and Cure of some Diseases of Infancy. By Joseph Clarke, M. D. Licentiate in Physic of the Royal College of Physicians in Dublin, and M. R. I. A.* - Page 3

- II. *A Memoir on the Construction of Ships. By Sir George Shee, Bart. M. R. I. A.* - - - - - 15

- III. *Memoir on the Climate of Ireland. By the Reverend William Hamilton, of Fanet, in the County of Donegal; late Fellow of Trinity College, Dublin, M. R. I. A. Corresponding Member of the Royal Society of Edinburgh, &c.* - - - 27

- IV. *History of a Case in which very uncommon Worms were discharged from the Stomach; with Observations thereon. By Samuel Crumpe, M. D. M. R. I. A.* - - - 57

- V. *Essay on the best Method of ascertaining the Areas of Countries of considerable Extent. By the Rev. James Whitelaw, Vicar of St. Catherine, Dublin, and M. R. I. A.* - - - 65

- VI. *Three Schemes for conveying Intelligence to great Distances by Signals. By John Cooke, Esq; M. R. I. A.* - - - 77

C O N T E N T S.

VII. <i>Observations on the Power of Painting to express mixed Passions. By the Rev. Michael Kearney, D. D. M. R. I. A.</i>	Page 87
VIII. <i>An Essay on the Art of conveying secret and swift Intelligence. By Richard Lovell Edgeworth, Esq; F. R. S. and M. R. I. A.</i>	95
IX. <i>Of the Composition and Proportion of Carbon in Bitumens and Mineral Coal. By Richard Kirwan, Esq; L. L. D. F. R. S. and M. R. I. A.</i>	141
X. <i>Synoptical View of the State of the Weather in Dublin. By Richard Kirwan, Esq; L. L. D. F. R. S. and M. R. I. A.</i>	169
XI. <i>Thoughts on Magnetism. By Richard Kirwan, Esq; L. L. D. F. R. S. and M. R. I. A.</i>	177
XII. <i>On the Method of determining the Longitude, by Observations of the Meridian Passages of the Moon and a Star made at two Places. By the Rev. James Archibald Hamilton, D. D. Professor of Astronomy at Armagh</i>	193
XIII. <i>On the Method of taking Radicals out of Equations. By Mr. D. Mooney, A. B. Trinity College, Dublin. Communicated by Whitley Stokes, M. D. F. T. C. D. and M. R. I. A.</i>	221
XIV. <i>On the primitive State of the Globe and its subsequent Catastrophe. By Richard Kirwan, Esq; L. L. D. F. R. S. and M. R. I. A.</i>	233
XV. <i>Synoptical View of the State of the Weather in the Year 1796. By Richard Kirwan, Esq; L. L. D. F. R. S. and M. R. I. A.</i>	309
XVI. <i>Supplement to Mr. Edgeworth's Essay upon the Telegraph</i>	313
XVII. <i>A Def-</i>	

C O N T E N T S.

XVII. <i>A Description of an Air-pump of a new Construction, with an Account of its Performance, and of some Experiments and Observations tending to ascertain the Circumstances on which the Perfection of that Machine depends, and to render its Theory more compleat. By the Rev. James Little, of Lacken, in the County of Mayo</i>	- - - - -	Page 319
XVIII. <i>On the Application of a Converging Series to the Construction of Logarithms. By Mr. William Allman, A. B. Trinity College, Dublin</i>	- - - - -	391
XIX. <i>Synoptical View of the State of the Weather at Dublin in the Year 1797. By Richard Kirwan, Esq; L. L. D. F. R. S. and M. R. I. A.</i>	- - - - -	435

POLITE LITERATURE.

C O N T E N T S.

- I. *SOME Hints concerning the State of Science at the Revival of Letters, grounded on a Passage of Dante in his Inferno, Canto IV. v. 130. By the Right Honourable the Earl of Charlemont, President of the Royal Irish Academy, and F. R. S.* Page 3
- II. *Reflections on the Choice of Subjects for Tragedy among the Greek Writers. By William Preston, Esq; M. R. I. A.* - 13
- III. *An Essay on the Variations of English Prose, from the Revolution to the present Time. By Thomas Wallace, A. B. and M. R. I. A.; to which was adjudged the Gold Prize Medal proposed by the Royal Irish Academy for the best Essay on that Subject* - - - - - 41
- IV. *On the Poetical Character of Doctor Goldsmith, By the Rev. Archdeacon Burrowes, late Fellow of Trinity College, Dublin, and M. R. I. A.* - - - - - 71

A N T I Q U I T I E S.

C O N T E N T S.

- I. *A LETTER from William Caulfield Lennon, Esq; to the Right Honourable the Earl of Charlemont, President of the Royal Irish Academy, &c. &c. &c.* - - Page 3
- II. *An Account of some Manuscript Papers which belonged to Sir Philip Hoby, Knight, who filled several important Offices in the Reign of King Edward the Sixth, and which are at present the Property of William Hare, Esq; one of the Representatives in Parliament for the City of Cork; by the Reverend Mr. Hinckes of Cork, communicated by the President* - - 7
- III. *Account of four Circular Plates of Gold found in Ireland. By Ralph Ousley, M. R. I. A.* - - 31

*[A]

S C I E N C E.

VOL. VI.

A